

Title II Project Application
Medford District Resource Advisory Committee

1. Project Number (Assigned by federal unit): 118-409 **AMOUNT REQUESTED** \$116,050

2. Project Name: Totten Creek Road Renovation and Major Culvert Replacement **3. County:** Douglas

4. Project Sponsor: Joseph Koontz, Swanson Group **5. Date:** 3/10/03

6. Sponsors Phone #: 541-832-1215

7. Sponsor's E-mail: _____

8. Project Location (attach project area maps showing general and specific locations of project.)

a. 4th Field Watershed Name and HUC #(if known): South Umpqua River (17100302)

b. 5th Field Watershed Name and HUC #(if known): Middle Cow Creek (1710030207)

c. Legal Location: Township 32S Range 7W Section 25

d. BLM District : Medford e. BLM Resource Area : Glendale

f. National Forest _____ g. Forest Service District _____

☐ h. State / Private / other lands involved? ☒ Yes No

9. Statement of Project Goals and Objectives:

Substantially reduce the amount of sediment that a natural surface road (Road #32-7-25) contributes to Totten Creek, a salmon and steelhead-producing stream. Prevent road failure and restore fish passage at a stream crossing.

10. Project Description: (Provide concise description of project and attach map.)

Renovation activities would include replacing 4 crossdrain culverts with larger pipes, cleaning culvert inlets, cleaning ditchlines and adding at least 1 more culvert to more efficiently route water from the ditchline through the road prism, preventing water from flowing down the road.

1.5 miles of the road would be surfaced with a 6 inch lift of rock to stabilize the road surface during winter. In addition a large culvert on Totten Creek would be replaced because a significant amount of streamflow is going under rather than through the culvert. The bottom is also beginning to rust out. Enough of the streambed under the culvert may eventually wash out. If that happens, the road will collapse and send a large quantity of sediment into a coho salmon and steelhead stream.

11. Coordination of this project with other related project(s) on adjacent lands?

☒ Yes No

The Medford BLM has completed many fish passage projects, as well as road renovation and decommissioning in this watershed in the last several years (detailed list available upon request), several in partnership with other landowners. Additionally, FY02 Title II funding will be used in summer 2003 to replace two culverts on Douglas County roads in partnership with the county and the Umpqua Basin Watershed Council. We are also currently working with the Douglas County Soil and Water Conservation District, Cow Creek Irrigation Company, private landowners and the Oregon Department of Fish and Wildlife to make a water diversion on private land more fish-friendly and to alleviate streambank erosion. (FY03 Title II funding).

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12. How does proposed project meet purposes of the Legislation? [Sec. 203(b)(1)]

- ☒ Improves maintenance of existing infrastructure. [Sec. 2(b)]
- ☐ Implements stewardship objectives that enhance forest ecosystems. [Sec. 2(b)]
- ☒ Restores and improves land health. [Sec. 2(b)]
- ☐ Restores water quality. [Sec. 2(b)]

13. Project Type (check one) [Sec. 203(b)(1)]

- ☒ Road Maintenance [Sec. 2(b)(2)(A)]
- ☐ Trail Maintenance [Sec. 2(b)(2)(A)]
- ☐ Road Decommission/Obliteration [Sec. 2(b)(2)(A)]
- ☐ Trail Obliteration [Sec. 2(b)(2)(A)]
- ☐ Other Infrastructure Maintenance (specify): _____ [Sec. 2(b)(2)(A)]
- ☐ Soil Productivity Improvement [Sec. 2(b)(2)(B)]
- ☐ Forest Health Improvement [Sec. 2(b)(2)(C)]
- ☒ Watershed Restoration & Mntc. [Sec. 2(b)(2)(D)]
- ☐ Wildlife Habitat Restoration [Sec. 2(b)(2)(E)]
- ☒ Fish Habitat Restoration [Sec. 2(b)(2)(E)]
- ☐ Control of Noxious Weeds [Sec. 2(b)(2)(F)]
- ☐ Reestablish Native Species [Sec. 2(b)(2)(G)]
- ☐ Other Project Type (specify) [Sec. 2(b)(2)]: _____

14. Measure of Project Accomplishments/Expected Outcomes [Sec. 203(b)(5)]

(Use workload measures used for the budget process)

- a. Total Acres: NA
- b. Total Miles of Road: 1.5
- c. No. Structures: 6 culverts
- d. Estimated People Reached (for environmental education projects): _____
- e. No. Of Laborer Days: 45
- f. Other (specify): _____
- g. **Program Element:** HS

15. Duration of Project and Estimated Completion Date [Sec. 203(b)(2)]:

To be completed between July 1 and September 15, the ODFW preferred instream work period, during summer 2004. Includes project design, contract prep, advertising and award.

16. Target Species (plants/wildlife etc.) Benefited: (if applicable) Coho salmon (federal ESA-threatened), steelhead trout (ESA-candidate), as well as cutthroat trout, lamprey, and other aquatic species.

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17. How will cooperative relationships among people that use federal lands be improved? [Sec. 2(b)(3)]

Due to highly visible nature of the project, the public would become more aware of BLM and private landowner responsibilities for managing road systems and the importance of improving fish habitat and watershed health.

18. How is this project in the best public interest? [Sec. 203(b)(7)] **Identify benefits to communities?**

The project would complement objectives of the Oregon Salmon Plan and help to increase production of anadromous fish, including opportunities for recreational and commercial fishing.

19. How does project benefit federal lands/resources?

Water quality and quality of fish habitat would improve in 1.6 miles of Totten Creek; potential for habitat degradation in the future would also decrease.

20. Status of Project Planning

a. NEPA Complete:	Yes	X No	
b. If No, give est. date of completion: Spring 2004			
c. NMFS Sec. 7 ESA Consultation Complete:	X Yes	<input type="checkbox"/> No	<input type="checkbox"/> Not Applicable
d. USFWS Sec. 7 ESA Consultation Complete:	Yes	<input type="checkbox"/> No	<input type="checkbox"/> Not Applicable
e. Survey & Manage Complete:	Yes	<input type="checkbox"/> No	<input type="checkbox"/> Not Applicable
f. DSL/ODFW* Permits Obtained:	Yes	X No	<input type="checkbox"/> Not Applicable
g. DLS/COE* 404 Fill/Removal Permit Obtained:	Yes	X No	<input type="checkbox"/> Not Applicable
h. SHPO* Concurrence Received:	Yes	X No	<input type="checkbox"/> Not Applicable
i. Project Design(s) Completed:	Yes	X No	<input type="checkbox"/> Not Applicable

* DSL = Dept. of State Lands, ODFW = Oregon Dept. of Fish and Wildlife, COE = Army Corps of Engineers, SHPO = State Historic Preservation Officer

21. Proposed Method(s) of Accomplishment

X Contract	X Federal Workforce
County Workforce	<input type="checkbox"/> Volunteers
<input type="checkbox"/> Other (specify): _____	

22. Will the Project Generate Merchantable Materials? (Sec. 204(e)(3))

☐ Yes **X No**

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23. Anticipated Project Costs [Sec. 203(b)(3)]

- a. Total County Title II Funds Requested: \$ **\$116,050**
- b. Is this a multi-year funding request? Yes ☐ No If yes, then display by fiscal year
- e. FY04 Request: \$ _____
- f. FY05 Request: \$ _____
- g. FY06 Request: \$ _____

***** Note: If you have a complex budget, add it as an appendix. The Resource Advisory Committee will want to know specifically how the funds will be spent.**

Item	Fed. Agency Appropriated Contribution [Sec. 203(b)(4)]	Requested County Title II Contribution [Sec. 203(b)(4)]	Other Contributions [Sec. 203(b)(4)]	Total Available Funds
24. Field Work & Site Surveys	1500			
25. NEPA & Sec.7 ESA Consultation	1000			
26. Permit Acquisition		500		
27. Project Design & Engineering		10,000		
28. Contract Preparation		5,000		
29. Contract Administration		5,000		
30. Contract Cost		4,000		
31. Workforce Cost		25,000		
32. Materials & Supplies		60,000		
33. Monitoring		1,000		
34. Other				
35. Project Subtotal		105,000		
36. Indirect Costs (Overhead) (per year for multiple year projects)		11,050		
37. Total Cost Estimate	\$2500	\$116,050	\$	\$

38. Identify Source(s) of Other Funding in Column C. Above [Sec. 203(b)(4)]

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39. Monitoring Plan (Sec.203 (b)(6))

- a. What measures or evaluations will be made to determine how well the proposed project meets the desired ecological conditions? [Sec. 203(b)(6)] Who will be responsible for this monitoring item?**

BLM engineers and Superior Lumber Company employees would periodically inspect the road each winter for several years following project completion.

- b. How will the project be evaluated to determine how well the proposed project contributes towards local employment and/or training opportunities, including summer youth jobs programs such as the Youth Conservation Corps? [Sec. 203(b)(6)] Who will be responsible for this monitoring item?**

The number of laborers needed for this project would be determined through the survey and design process. It would be up to the contractor that is selected to hire the number of people with appropriate skills needed to complete the project according to design specifications within the required time frame.

- c. What methods and measures of evaluation will be established to determine how well the proposed project improves the use of, or added value to, any products removed from National Forest System lands consistent with the purposes of this Act? [Sec. 203(b)(6) and Sec. 204(e)(3)] Who will be responsible for this monitoring item?**

Not applicable

- d. Identify total funding needed to carry out specified monitoring tasks (Table 1, Item 33)**

Amount: \$1000

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Totten Creek Road. A stream flows down and across the road during a winter storm, causing serious erosion that moves directly into a coho salmon stream.



Totten Creek Road. There is no culvert to allow the stream to flow through the road and into Totten Creek. Serious road erosion is occurring just around the bend.



Another view of the stream flowing down the road.



Totten Creek Road. Ditchline has filled with so much silt and woody debris that water in the ditch has no where to go but over and down the road during winter storms.

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Totten Creek Road. Ditch has filled with so much sediment and wood that water in the ditchline is forced onto and down the road during winter rainstorms.



Totten Creek Road culvert. This 70'L x 6'D culvert (3' drop at outlet) is a partial barrier to upstream migration of adult coho salmon and steelhead and a total barrier to smaller fish. Additionally, some of the stream is flowing under, rather than through the culvert (notice the small "falls" behind the flow coming out of the culvert) a situation that may eventually threaten road integrity and contribute a large amount of sediment to the stream.



We propose to replace the Totten Creek culvert with a structure similar to this, which is on Fortune Branch Creek, another Cow Creek tributary near Glendale. Natural streambed bottom, width and velocities are maintained